FIG. 1

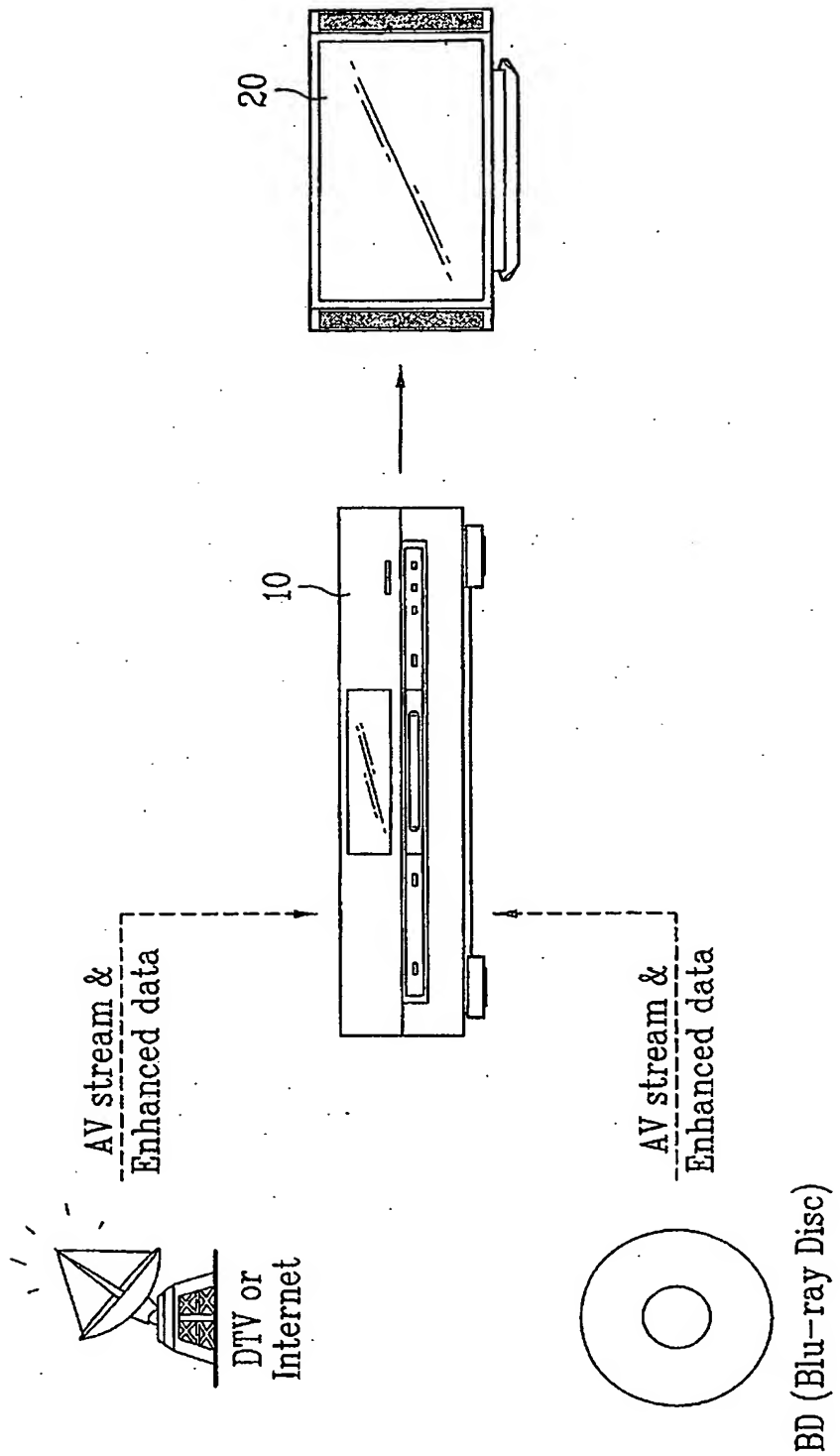

20
10
AV stream &
Enhanced data
DTV or
Internet
AV stream &
Enhanced data
BD (Blu-ray Disc)

FIG. 2

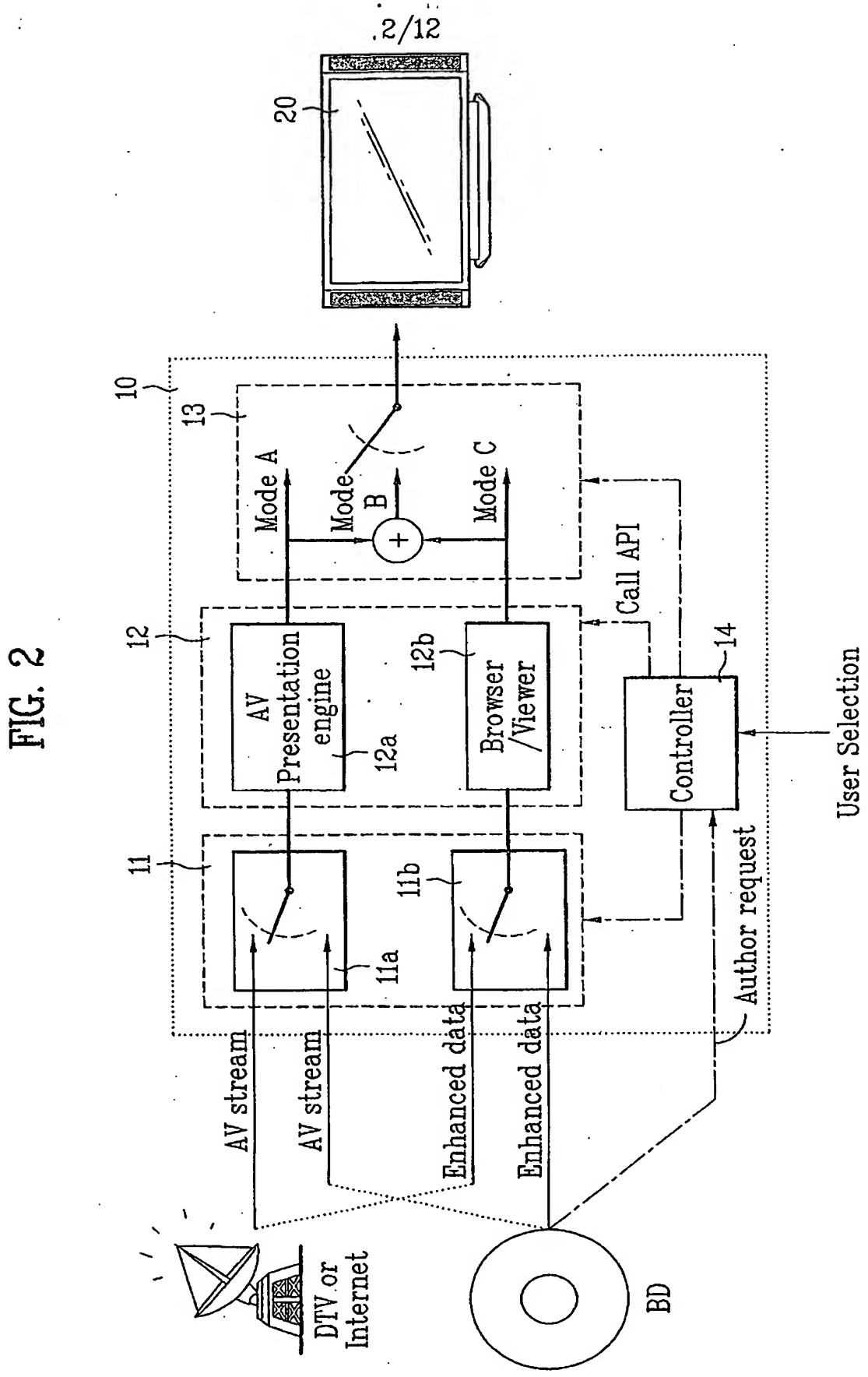

20
10
13
Mode A
Mode B
Mode C
12
AV Presentation engine
12a
12b
Browser /Viewer
Call API
14
Controller
User Selection
11
11a
11b
Author request
AV stream
AV stream
Enhanced data
Enhanced data
DTV or Internet
BD

FIG. 3

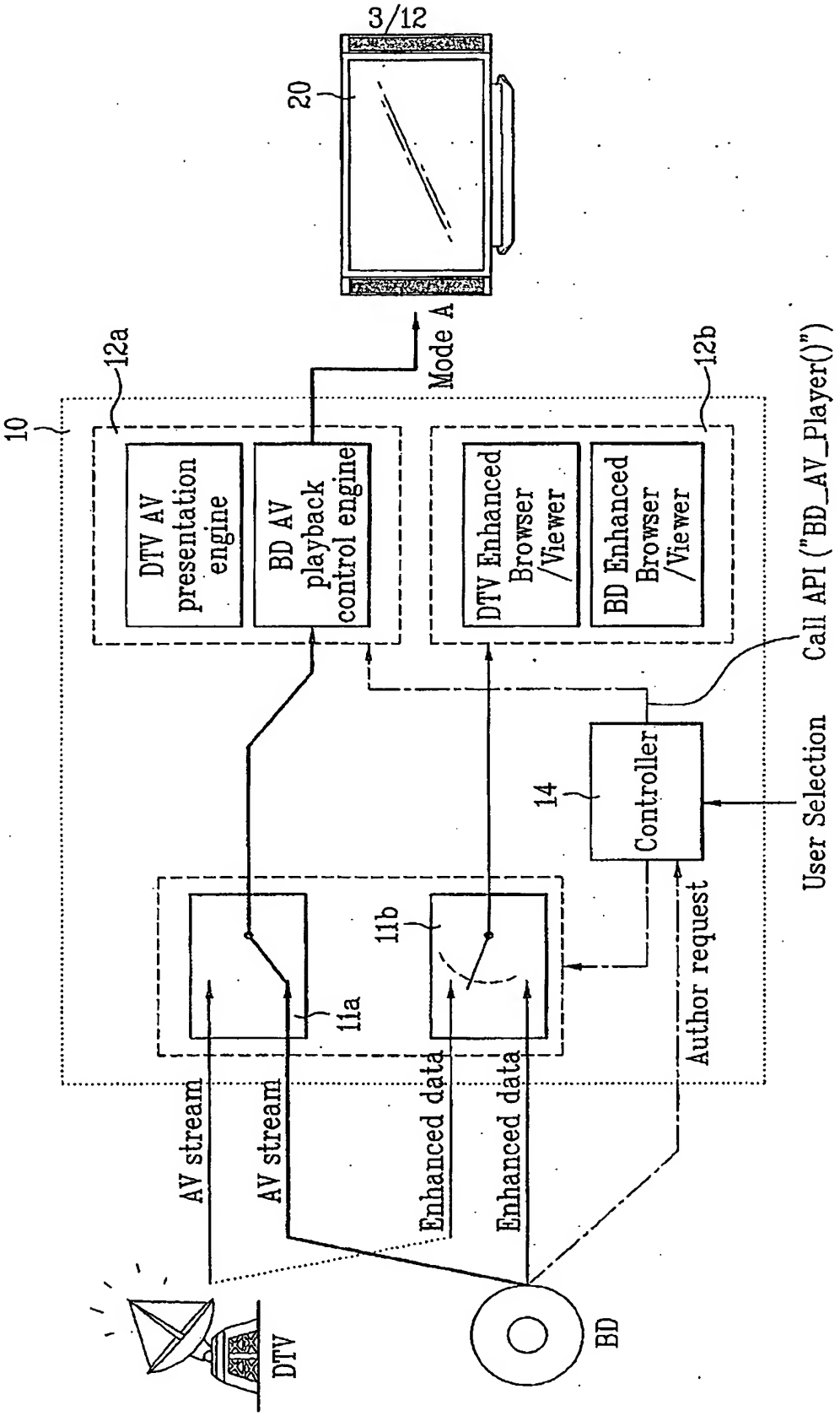

20
Mode A
10
12a
12b
DTV AV presentation engine
BD AV playback control engine
DTV Enhanced Browser /Viewer
BD Enhanced Browser /Viewer
Call API ("BD_AV_Player()")
User Selection
14
Controller
11b
11a
Author request
AV stream
AV stream
Enhanced data
Enhanced data
DTV
BD

FIG. 4

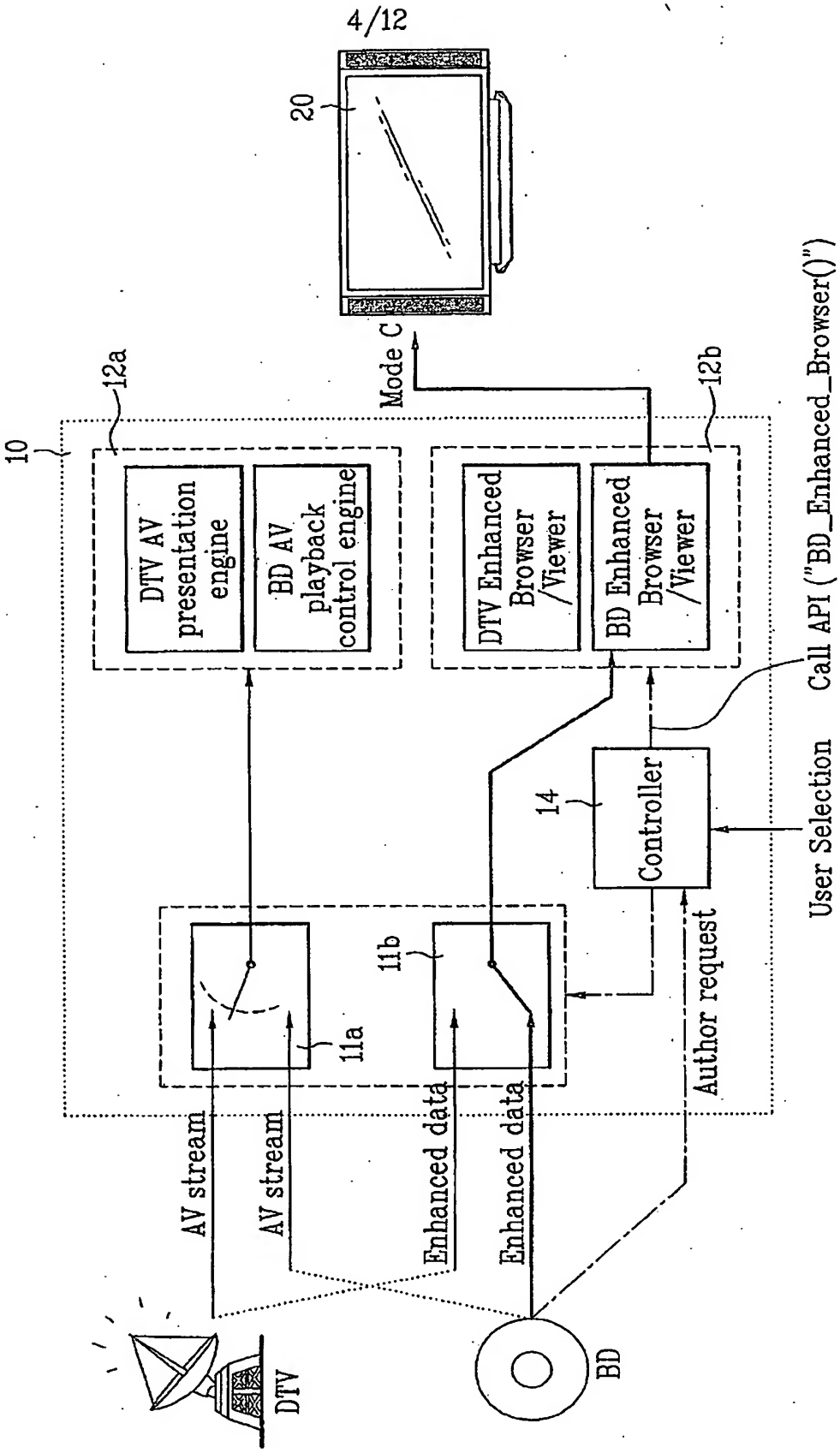

20
Mode C
10
12a
12b
DTV AV presentation engine
BD AV playback control engine
DTV Enhanced Browser /Viewer
BD Enhanced Browser /Viewer
Call API ("BD_Enhanced_Browser()")
14
Controller
User Selection
11b
11a
Author request
AV stream
AV stream
Enhanced data
Enhanced data
DTV
BD

FIG. 5

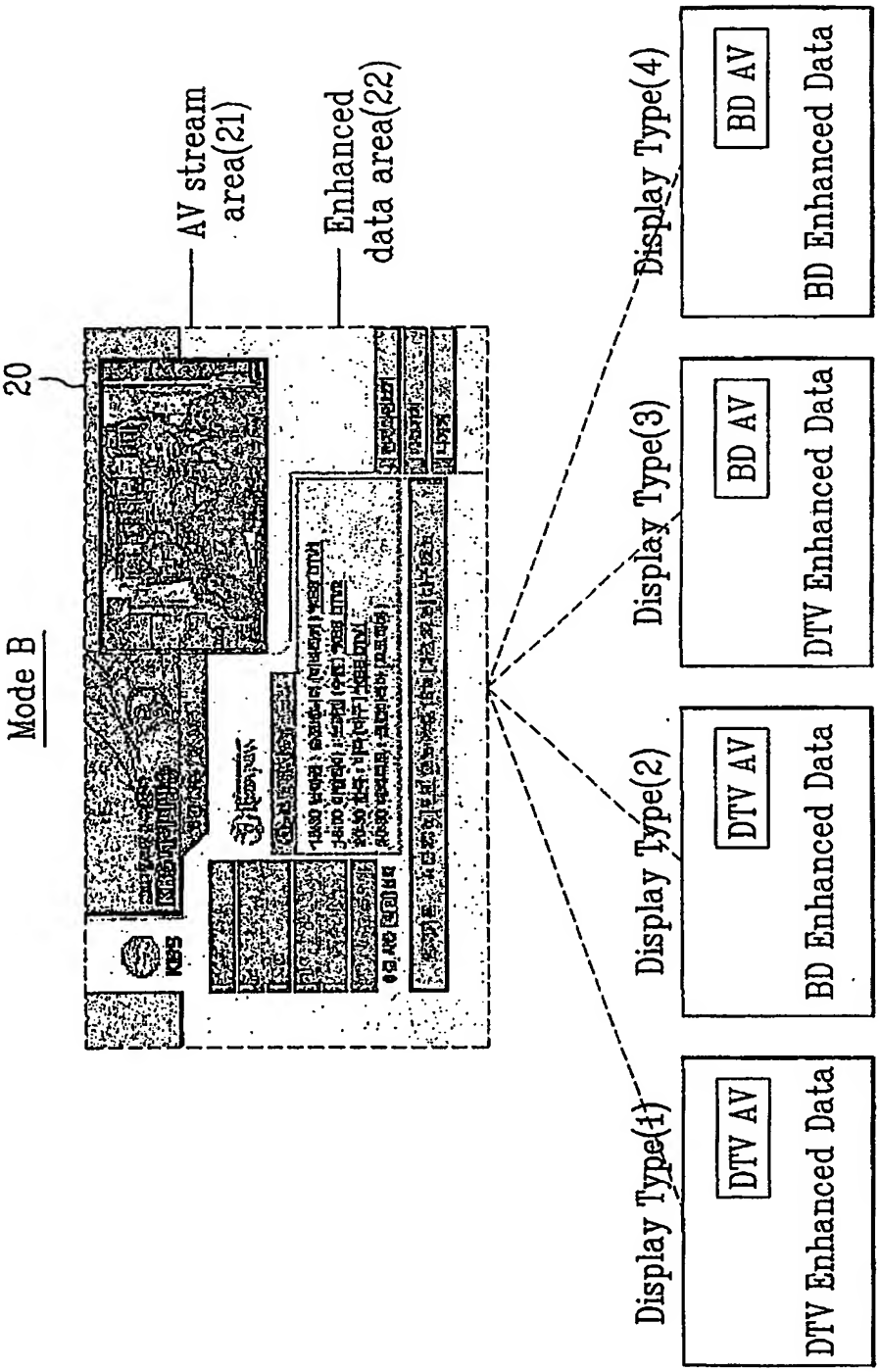

Mode B
20
AV stream area(21)
Enhanced data area(22)
Display Type(1)
DTV AV
DTV Enhanced Data
Display Type(2)
DTV AV
BD Enhanced Data
Display Type(3)
BD AV
DTV Enhanced Data
Display Type(4)
BD AV
BD Enhanced Data

FIG. 6

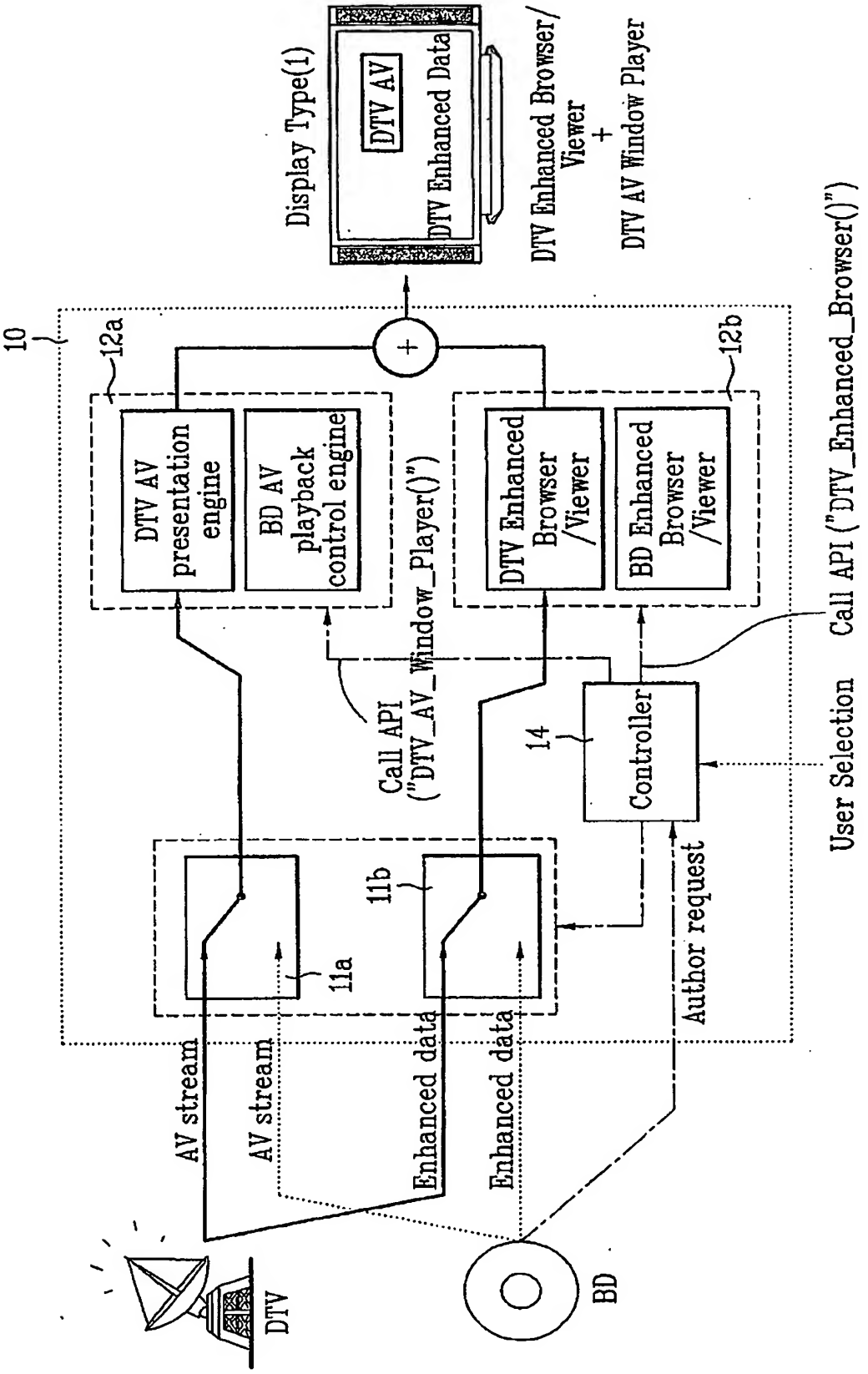

Display Type(1)
DTV AV
DTV Enhanced Data
DTV Enhanced Browser / Viewer + DTV AV Window Player
10
12a
12b
DTV AV presentation engine
BD AV playback control engine
DTV Enhanced Browser /Viewer
BD Enhanced Browser /Viewer
Call API ("DTV_AV_Window_Player()")
Call API ("DTV_Enhanced_Browser()")
14
Controller
User Selection
11a
11b
AV stream
AV stream
Enhanced data
Enhanced data
Author request
DTV
BD

FIG. 7

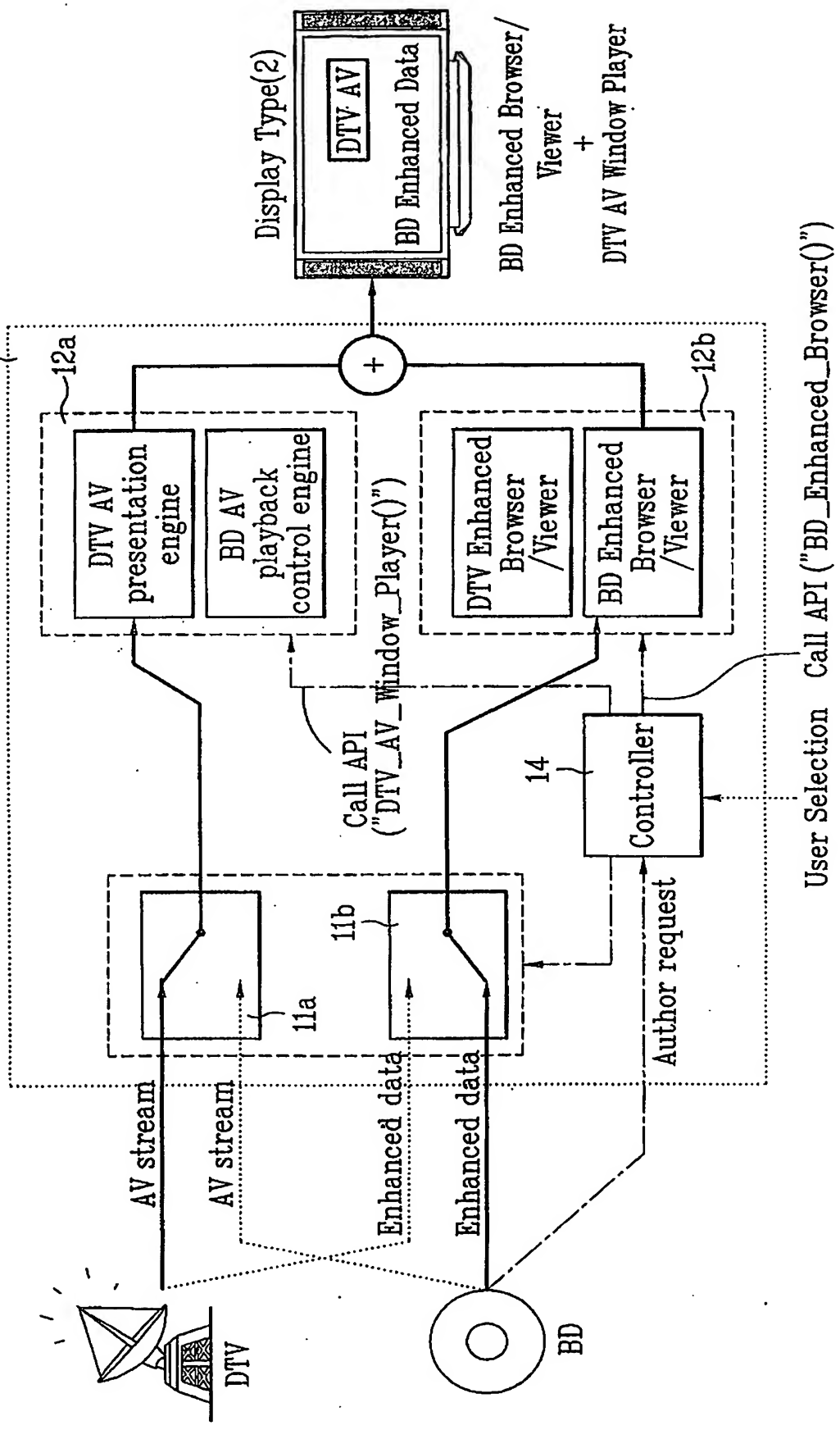

Display Type(2)
DTV AV
BD Enhanced Data
BD Enhanced Browser/ Viewer + DTV AV Window Player
10
12a
12b
DTV AV presentation engine
BD AV playback control engine
DTV Enhanced Browser /Viewer
BD Enhanced Browser /Viewer
Call API ("DTV_AV_Window_Player()")
Call API ("BD_Enhanced_Browser()")
14
Controller
User Selection
11a
11b
AV stream
AV stream
Enhanced data
Enhanced data
Author request
DTV
BD

FIG. 8

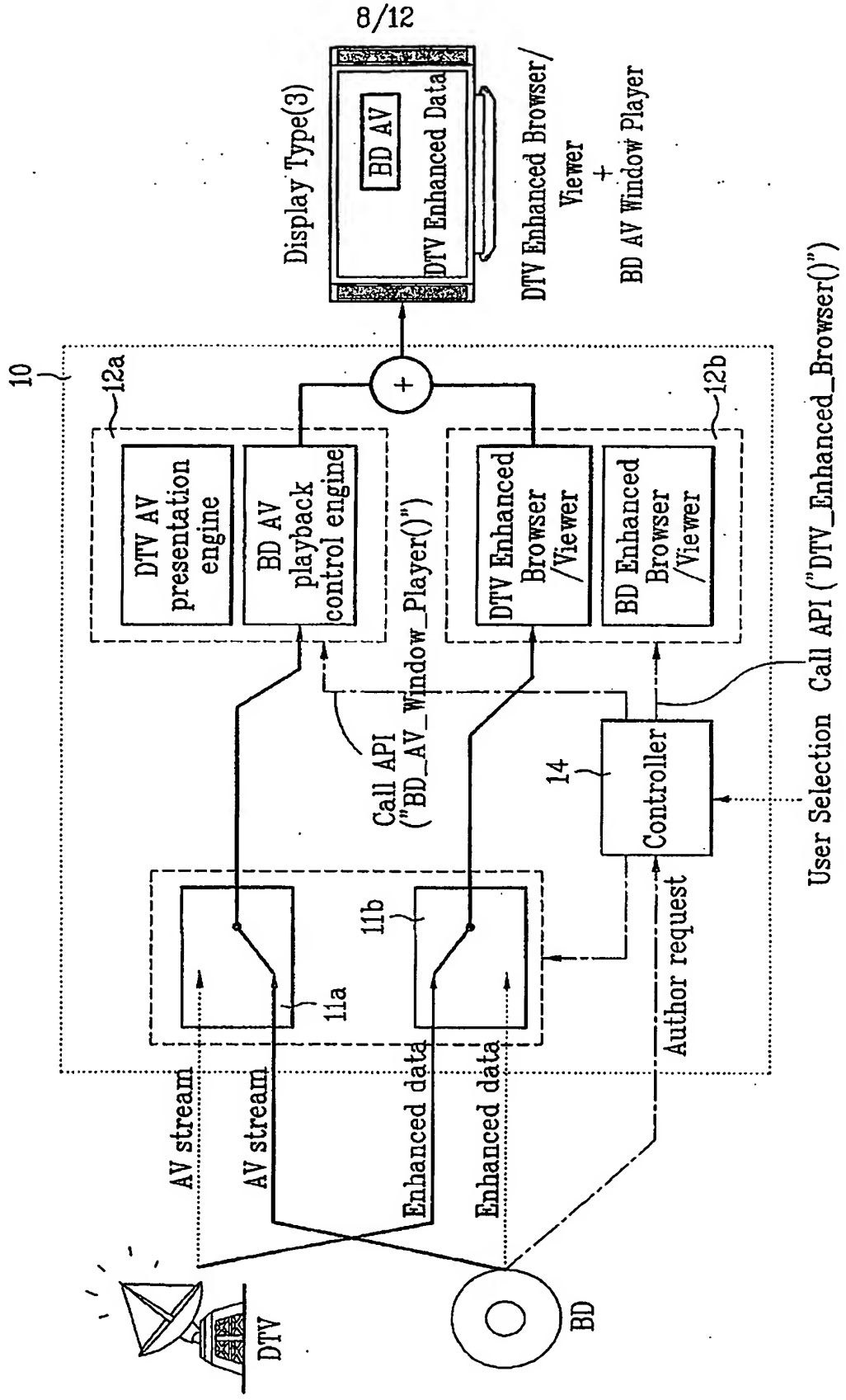

Display Type(3)
BD AV
DTV Enhanced Data
DTV Enhanced Browser/ Viewer + BD AV Window Player
10
12a
12b
DTV AV presentation engine
BD AV playback control engine
DTV Enhanced Browser /Viewer
BD Enhanced Browser /Viewer
Call API ("BD_AV_Window_Player()")
Call API ("DTV_Enhanced_Browser()")
User Selection
14
Controller
11a
11b
AV stream
AV stream
Enhanced data
Enhanced data
Author request
DTV
BD

FIG. 9

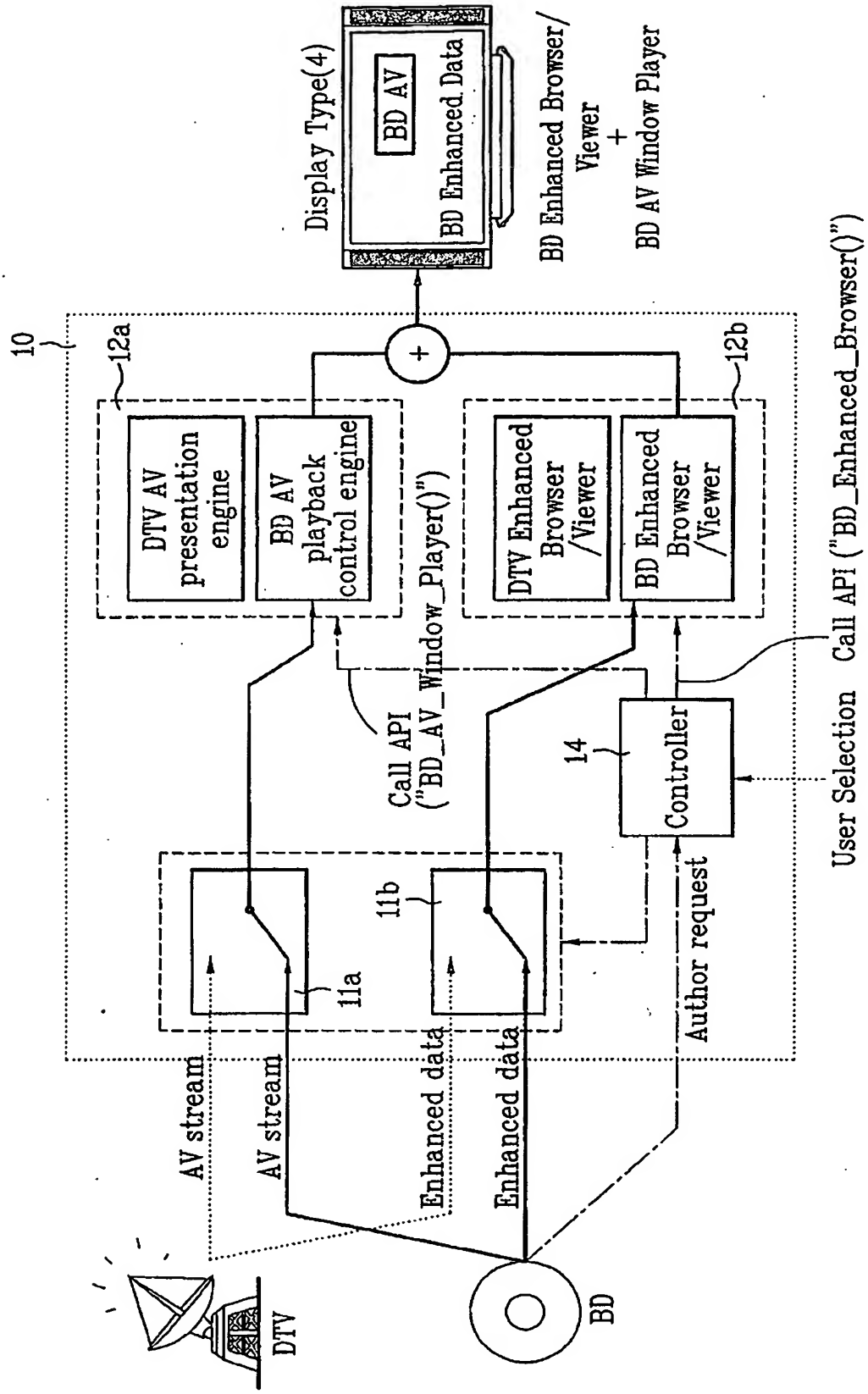

Display Type(4)
BD AV
BD Enhanced Data
BD Enhanced Browser/ Viewer + BD AV Window Player
10
12a
12b
DTV AV presentation engine
BD AV playback control engine
DTV Enhanced Browser /Viewer
BD Enhanced Browser /Viewer
Call API ("BD_AV_Window_Player()")
Call API ("BD_Enhanced_Browser()")
User Selection
14
Controller
11a
11b
AV stream
AV stream
Enhanced data
Enhanced data
Author request
DTV
BD

FIG. 10

| Display Mode | Call API |
|---|---|
| A | BD_AV_Player()<br>DTV_AV_Player() |
| B | BD_AV_Window_Player()<br>DTV_AV_Window_Player()<br>BD_Enhanced_Browser()<br>DTV_Enhanced_Browser() |
| C | BD_Enhanced_Browser()<br>DTV_Enhanced_Browser() |

FIG. 11

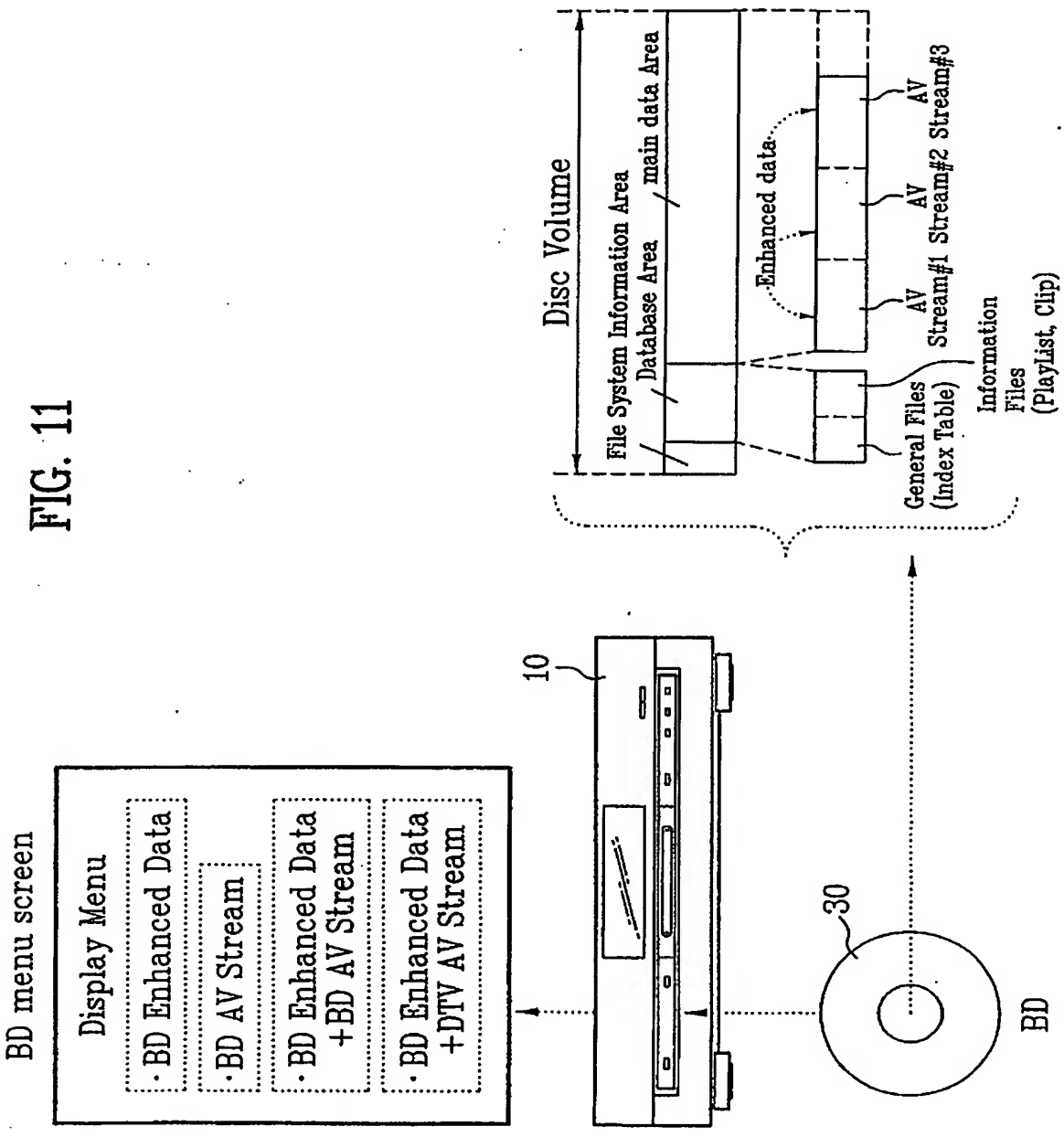
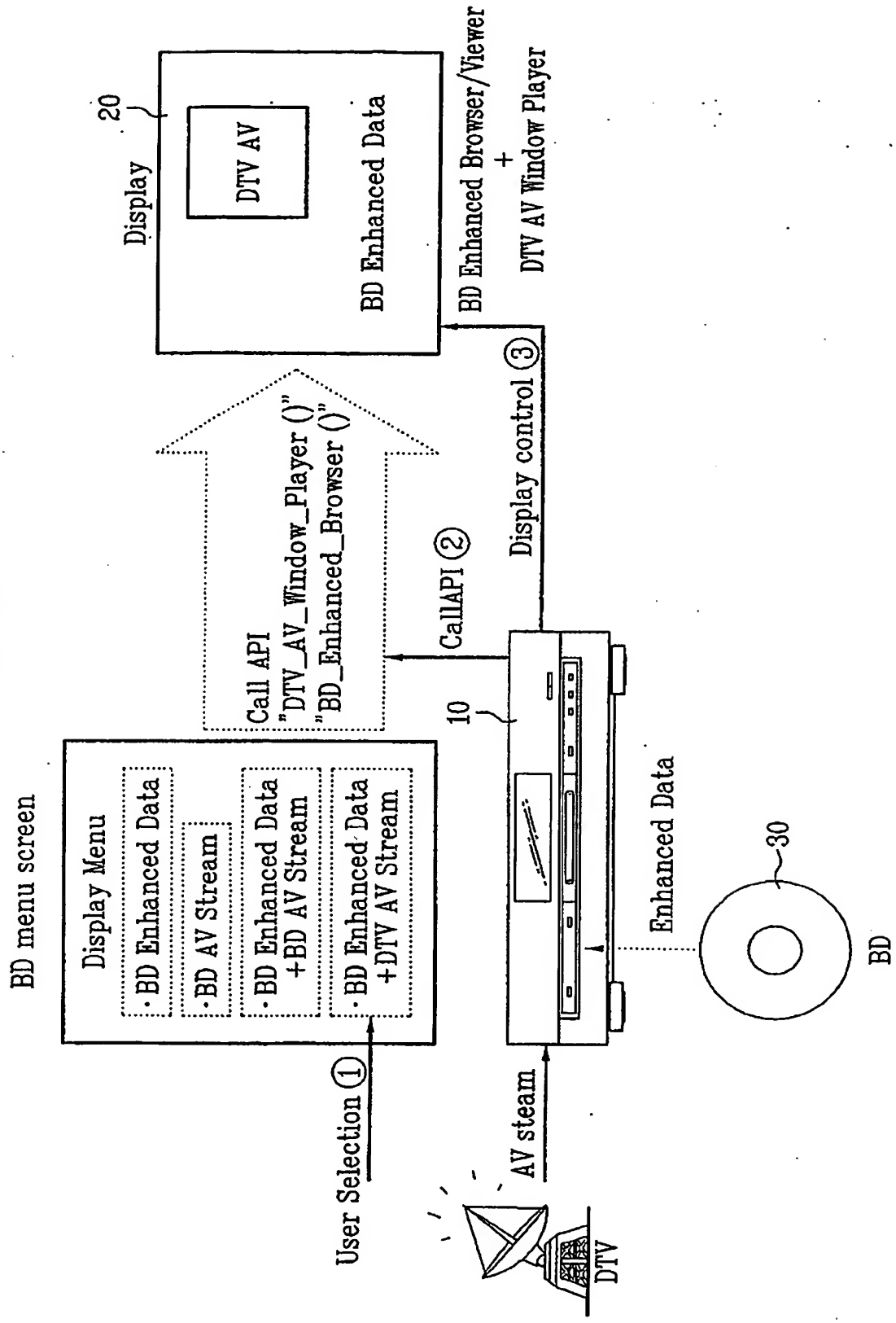

BD menu screen
Display Menu
· BD Enhanced Data
· BD AV Stream
· BD Enhanced Data +BD AV Stream
· BD Enhanced Data +DTV AV Stream
10
30
BD
Disc Volume
File System Information Area
Database Area
main data Area
Enhanced data
AV Stream#1
AV Stream#2
AV Stream#3
General Files (Index Table)
Information Files (PlayList, Clip)

FIG. 12


BD menu screen
Display Menu
· BD Enhanced Data
· BD AV Stream
· BD Enhanced Data +BD AV Stream
· BD Enhanced Data +DTV AV Stream
User Selection ①
AV steam
DTV
10
Call API
"DTV_AV_Window_Player ()"
"BD_Enhanced_Browser ()"
CallAPI ②
Display control ③
Enhanced Data
30
BD
20
Display
DTV AV
BD Enhanced Data
BD Enhanced Browser/Viewer
+
DTV AV Window Player